

ABSTRACT

The image signal reproduction apparatus of the present invention for reproducing a main image signal including either a first type of image signal obtained by converting a film material image into an electrical signal or a second type of image signal including a video signal as a material thereof, using a transfer information including the main image signal and a determination flag for determining whether the main image signal is the first type of image signal or the second type of image signal, includes: a first timing signal generation section for outputting a first timing signal indicating a field to be repeatedly output in the case where the main image signal is the first type of image signal; a first material determination section for determining whether the main image signal is the first type of image signal or the second type of image signal, based on the determination flag; an interlaced scanned image signal reproduction section for converting the main image signal to an interlaced scanned image signal of 60 fields per second in response to an output of the first timing signal generation section when the first material determination section determines that the main image signal is the first type of image signal, and outputs the converted signal or outputs the main image signal as it is when the first material determination section determines that the main image signal is the second type of image signal; a field memory for storing 2 fields of outputs of the interlaced scanned image signal reproduction section; a field difference detection section for detecting a difference between an output of the interlaced scanned image signal reproduction section and an output of the field memory; a second material determination section for

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5 determining whether the main image signal is the first type
of image signal or the second type of image signal, based
on an output of the first material determination section
or on outputs of the first timing signal generation section
and the field difference detection section; a timing signal
generation section for generating a second timing signal
indicating a breakpoint between frames of the film material
in the interlaced scanned image signal, based on an output
of the field difference detection section when the second
10 material detection section detects that the main image
signal is the first type of image signal; and a progressive
scanning conversion section for obtaining a progressive
scanned image signal by synthesizing 2 fields of interlaced
scanned image signals of 60 fields per second in response
15 to the second timing signal when a generation method of an
insertion scanning signal is changed in response to an output
of the second material determination section and the second
material determination section determines that the main
image signal is the first type of image signal.